

UNITED STATES PLANT PATENT APPLICATION

of

L. PERNILLE AND MOGENS N. OLESEN

for

COMPACT FLORIBUNDA

ROSE PLANT NAMED

'Poulac014'

## SUMMARY OF THE INVENTION

### BOTANICAL CLASSIFICATION

*Rosa hybrida*

### VARIETY DENOMINATION

5

'Poulac014'

The present invention constitutes a new and distinct variety of garden rose plant which originated from a controlled crossing between the female seed parent plant, an  
10 un-named seedling, and the male pollen parent plant, an un-named seedling. The two parents were crossed during the summer of 1995 and the resulting seeds were planted in a controlled environment in Fredensborg, Denmark. The new variety is named 'Poulac014'.

15 The new variety may be distinguished from its unnamed female seed parent, by the following combination of characteristics:

1. While the seed parent has yellow flowers,  
'Poulac04' has apricot flowers.
- 20 2. While the seed parent has acute flower petal bases, 'Poulac014' has rounded to acute flower petal base shapes.

The new variety may be distinguished from its male pollen parent by the following combination of  
25 characteristics:

1. 'Poulac014' has larger leaves than those of the pollen parent.
2. 'Poulac014' has larger flowers than the pollen parent.

5           The objective of the hybridization of this rose variety was to create a new and distinct variety for garden use with unique qualities, such as:

1. Uniform and abundant apricot flowers;
2. Vigorous, but compact growth when propagated  
10           both as a budded rose and on its own roots;
3. Disease resistance.

          This combination of qualities is not present in previously available commercial cultivars of this type, known to the inventors, and distinguish 'Poulac014' from all  
15       other varieties of which we are aware.

          As part of their rose development program, L. Pernille Olesen and Mogens N. Olesen germinated the seeds from the aforementioned hybridization during winter of 1995 and conducted evaluations on the resulting seedlings in a  
20       controlled environment in Fredensborg, Denmark.

          'Poulac014' was selected in the spring 1996 by the inventors as a single plant from the progeny of the aforementioned hybridization.

          Asexual reproduction of 'Poulac014' by traditional  
25       budding and rooted cuttings was first done by L. Pernille

and Mogens N. Olesen in their nursery in Fredensborg,  
Denmark in July, 1996. This initial and other subsequent  
asexual propagations conducted in controlled environments  
have demonstrated that the characteristics of 'Poulac014'  
5 are true to type and are transmitted from one generation to  
the next.

#### BRIEF DESCRIPTION OF THE DRAWING

10 The accompanying color illustration shows as true as is  
reasonably possible to obtain in color photographs of this  
type, the typical characteristics of the buds, flowers,  
leaves, and stems, of 'Poulac014'. Specifically illustrated  
in the SHEET 1

- 15 Fig 1.1; Open flowers, above view and side view;  
Fig 1.2; Flower bud closed, flower bud as sepals  
unfold, and partially open;  
Fig 1.3; Flower petals, detached;  
Fig 1.4; Sepals, receptacle, and peduncle;  
20 Fig 1.5; Juvenile leaf exhibiting anthocyanin;  
Fig 1.6; Mature Leaf;  
Fig 1.7; Bare stems, exhibiting thorns.

25

### DETAILED DESCRIPTION OF THE VARIETY

The following is a description of 'Poulac014', as observed in its growth in a field nursery in Jackson County, Oregon. Observed plants are 3 years of age. Plants were grown on *Rosa multiflora* understock. Color references are made using the Royal Horticultural Society (London, England) Colour Chart, 1995, except where common terms of color are used.

For a comparison, several physical characteristics of the rose variety 'Poulymp', a rose variety from the same inventors described and illustrated in U.S. Plant Patent Application No. 09/607,327 dated 30 June, 2000, are compared to 'Poulac014' in Chart 1.

CHART 1

	'Poulac014'	'Poulymp'
Flower Diameter	60 to 65 mm	60 to 70 mm
Petalage	30 to 35 petals	25 to 30 petals
Flower Color after opening: Upper surface of outermost petals.	Orange Group 25B at marginal to middle zone, becoming Yellow-Orange Group 14A at basal zone.	Yellow-Orange Group 21 C

## FLOWER AND FLOWER BUD

Blooming habit: Continuous.

5 Flower bud:

Size: Upon opening, 28 mm in length from  
base of receptacle to end of bud.  
Bud diameter is 17 mm on average.

Bud form: Pointed ovoid with broad base.

10 Bud color: As sepals unfold, petals are  
Orange Group 25D to Yellow Group  
12C.

Sepals:

Upper Surface:

15 Color: Yellow-Green Group 144A  
to 144B.

Surface: Moderately pubescent.

Lower Surface:

20 Color: Yellow-Green Group  
144A.

Sepal Shape:

Sepal apex is cirrhose. Base is  
flat at union with receptacle.

Sepal Margin:

25 Margins have strong foliaceous

appendages on three of the five  
sepals.

Size: 28 mm (l) x 8 mm (w).

Receptacle:

5 Surface Texture:

Smooth to Glabrous.

Shape: Funnel shaped.

Size: 4 mm (h) x 8 mm (w).

Color: Yellow-Green Group 144B.

10 Peduncle:

Surface: Smooth. Few to medium  
quantity of stipitate glands  
towards base of peduncle.

Length: 25 to 30 mm.

15 Color: Yellow-Green Group 145B  
Anthocyanic pigments the  
color of Greyed-Red Group  
180C observed.

Strength: Strong.

20 Borne: In clusters of 1 to 4 flower  
buds per stem.

**Flower bloom:**

Fragrance: Moderate floral scent.

25 Duration: The blooms have a duration

5 on the plant of  
 approximately 10 days.  
 Petals fall cleanly away  
 from plant after flowers  
 have matured completely.

Size: Flower diameter is 60 to 65 mm  
 when open. Flower depth is 30 to  
 35 mm.

10 Form:  
 General shape is a deep cup.

Shape of flower when viewed from the side:  
 Upon opening, upper part: Flat.  
 15 Upon opening, lower part: Flat.  
 Open flower, upper part: Flat.  
 Open flower, lower part: Concave.

Petalage: Average range is 30 to 35 petals under  
 20 normal conditions with 7 petaloids.

Color:  
 Upon opening, petals:  
 Outermost petals:  
 Outer side: Orange-Red Group 34A at  
 25 marginal zone, blending with



Orange-Red Group 34C at the middle zone. Intonations of and Yellow Group 12A to 12B at basal zone.

5                    Inner Side:    Orange Group 25B. Blended intonations of Red Group 34C at margins. Distinctly Yellow Group 14A at basal zone.

10                   Innermost petals:

                    Outer side:    Orange-Red Group 34A at marginal zone, blending with Orange-Red Group 34C at the middle zone. Distinctly Yellow Group 12A to 12B at basal zone.

15                                      Inner Side:    Orange Group 25B with blended intonations of Red Group 34C at margins.

20                                      Distinctly Yellow Group 14A at basal zone.

                    Upon opening:    No distinctive coloration at the petal base observed.

                    After opening, petals:

25                      Outermost petals:

Outer side: Orange-Red Group 34C at  
marginal to middle zones,  
becoming Yellow Group 12A to  
12B at basal zone.

5 Inner Side: Orange Group 25B at marginal  
to middle zone, becoming  
Yellow-Orange Group 14A at  
basal zone.

Innermost petals:

10 Outer side: Orange-Red Group 30A to  
Orange-Red Group 34B at  
marginal to middle zones,  
becoming Yellow-Orange Group  
14A at basal zone.

15 Inner Side: Orange Group 26A, becoming  
Yellow-Orange Group 14A at  
basal zone.

After opening: No distinctive coloration at the  
petal base observed.

20

General Tonality: On open flower Orange Group 25B  
with intonations of Orange-Red  
Group 33B to 33C. No change in the  
general tonality at the end of the  
25 10<sup>th</sup> day. Afterwards, general

tonality is Yellow-Orange Group  
23C to 23D.

**Petals:**

Petal Reflex: None.

5            Margin:            Entire and uniform with an  
occasional cleft. Medium  
undulations of margin observed.

Shape:            Apex: Round.  
Base: Round to acute.

10           Size:            35 mm (l) x 32 mm (w).

Texture:           Smooth.

Thickness:        Thick.

Arrangement:    Not Formal.

**Petaloids:**

15           Quantity:        5 to 9.

Color:

Upper Surface: Yellow-Orange Group 23A to  
Yellow Group 12A.

Lower Surface: Orange-Red Group 34C to  
20                Yellow Group 12A.

Size:            20 mm (l) x 10 mm (w).

Shape:           Apex is round. Base is rounded to  
acute.

25           **Reproductive Organs:**

Pistils:

Length: 8 mm.

Quantity: 39 (actual count).

Pollen:

5 None observed.

Anthers:

Size: 2 mm in length.

Color: Yellow Group 10A.

Quantity: 84 (actual count).

10 Filaments:

Color: Yellow Group 13A.

Length: 10 mm.

Stigmas: Inferior relative to the

length of the filaments and

15 the height of the anthers.

Color: Greyed-Yellow Group 162D.

Styles:

Color: Red-Purple Group 57A.

Hips: None Observed in the field nursery in

20 Jackson County Oregon.

#### PLANT

Plant growth: Compact, upright to bushy. When grown

25 as a budded field grown plant on Rosa

multiflora understock, the average height of the plant is 60 cm and the average width is 60 cm.

**Stems:**

5

Color:

Young wood: Yellow-Green Group 144C.

Older wood: Green Group 138B.

Surface Texture:

Young wood: Smooth.

10

Older wood: Smooth.

**Thorns:**

Incidence: 23 thorns per 10 cm of stem.

Size: Average length: 10 mm.

15

Color: Greyed-Yellow Group 162A to Yellow-Green Group 144B.

Shape: Deeply concave.

**Plant foliage:** Normal number of leaflets on normal leaves in middle of the stem: 5 leaflets.

20

Compound Leaf size: 155 mm (l) x 110 mm (w).

Color:

Mature Foliage:

Upper surface is: Yellow-Green Group 147A.

25

Lower surface is: Yellow-Green Group  
147B.

Juvenile foliage:

Upper surface is: Yellow-Green Group  
144A.

Lower surface is: Yellow-Green Group  
147C.

Anthocyanin:

Location: Juvenile foliage.

Color: Greyed-Orange Group 165A to  
Greyed-Orange Greyed-Orange  
Group 166A.

**Plant leaves and leaflets:**

Stipules:

Size: 23 mm in length.

Shape: Linear.

Quantity: 2 per compound leaf.

Margins: Finely serrated with  
abundant stipitate glands at  
margins and lower side.

Color: Green Group 143A.

Petiole:

Length: 43 mm.

Above:

	Color:	Yellow-Green Group 144B.
	Anthocyanin:	Greyed-Red Group 181B.
	Underneath:	
5	Observations:	Thorns, fragrant stipitate glands and light pubescence.
	Rachis:	
	Length:	65 mm.
	Above:	
10	Color:	Yellow-Green Group 144B
	Underneath:	
	Observations:	Thorns, fragrant stipitate glands, and light pubescence.
15		
	Leaflet:	
	Size:	65 mm (l) x 41 mm (w).
	Edge:	Shallow serrations.
	Shape:	Ovate. Apex is acute to rounded. Base is rounded.
20		
	Texture:	Smooth.
	Arrangement:	Odd pinnate.
	Venation:	Reticulate.
	Glossiness:	Glossy.
25	Thickness:	Thick and leathery.

**Disease resistance:**

Above average resistance to mildew, rust, black spot,  
and Botrytis under normal growing conditions in Jackson  
5 County, Oregon.

**Cold Hardiness:**

The variety 'Poulac014' has been found to be cold  
tolerant to USDA Cold Hardiness Zone 6.